

# SEQUENCE LISTING

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<120> BIOMARKERS FOR RHEUMATOID ARTHRITIS

<130> SURR.121

<150> US 60/455,037

<151> 2003-03-14

<160> 395

<170> PatentIn version 3.2

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Met Cys Lys

<210> 123  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 123

Phe Glu Asp Gly Val Leu Asp Pro Asp Tyr Pro Arg  
1 5 10

<210> 124  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (4)..(4)  
<223> carboxymethylation

<400> 124

Gly Gln Tyr Cys Tyr Glu Leu Asp Glu Lys  
1 5 10

<210> 125

<211> 6

<212> PRT

<213> Homo sapiens

<400> 125

Ala Asn Leu Phe Asn Lys  
1 5

<210> 126

<211> 8

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<213> Homo sapiens

<400> 126

Tyr Thr Ala Cys Glu Thr Ala Arg  
1 5

<210> 127

<211> 20

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<213> Homo sapiens

<220>

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<222> (6)..(6)

<223> carboxymethylation

<220>

<221> misc\_feature

<222> (11)..(11)

<223> carboxymethylation

<400> 127

Asp Lys Leu Ala Ala Cys Leu Glu Gly Asn Cys Ala Glu Gly Leu Gly  
1 5 10 15

Thr Asn Tyr Arg  
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<210> 128

<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 128

Val Gly Ala His Ala Gly Glu Tyr Gly Ala Glu Ala Leu Glu Arg  
1 5 10 15

<210> 129  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 129

Lys Val Ala Asp Ala Leu Thr Asn Ala Val Ala His Val Asp Asp Met  
1 5 10 15

Pro Asn Ala Leu Ser Ala Leu Ser Asp Leu His Ala His Lys  
20 25 30

<210> 130  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 130

Val Ala Asp Ala Leu Thr Asn Ala Val Ala His Val Asp Asp Met Pro  
1 5 10 15

Asn Ala Leu Ser Ala Leu Ser Asp Leu His Ala His Lys  
20 25

<210> 131  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 131

Leu Leu Asp Asn Trp Asp Ser Val Thr Ser Thr Phe Ser Lys  
1 5 10

<210> 132  
<211> 11  
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<400> 132

Gln Gly Leu Leu Pro Val Leu Glu Ser Phe Lys  
1 5 10

<210> 133  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 133

Gln Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro  
1 5 10 15

Glu Gln Trp Lys  
20

<210> 134  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 134

Leu Gln Gln Val Leu His Ala Gly Ser Gly Pro Cys Leu Pro His Leu  
1 5 10 15

Leu Ser Arg

<210> 135  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 135

Gln Val Glu Gly Met Glu Asp Trp Lys  
1 5

<210> 136  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 136

Glu Gln Leu Gly Glu Phe Tyr Glu Ala Leu Asp Cys Leu Cys Ile Pro  
1 5 10 15

Arg

<210> 137  
<211> 7  
<212> PRT  
<213> Homo sapiens  
-  
<400> 137

Met Leu Ser Leu Gly Thr Lys  
1 5

<210> 138  
<211> 7  
<212> PRT  
<213> Homo sapiens  
  
<400> 138

Ala Thr Gly Ile Pro Asp Arg  
1 5

<210> 139  
<211> 15  
<212> PRT  
<213> Homo sapiens  
  
<400> 139

Glu Glu Glu Gln Gln Arg Cys Glu Ser Leu Ala Glu Val Asn Thr  
1 5 10 15

<210> 140  
<211> 12  
<212> PRT  
<213> Homo sapiens  
  
<400> 140

Met Asn Gln Leu Thr Gln Glu Leu Phe Ser Leu Lys  
1 5 10

<210> 141  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 141

Val Thr Ser Thr Leu Thr Ile Lys

1 5

<210> 142  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 142

Asn Val Pro Leu Pro Val Ile Ala Glu Leu Pro Pro Lys  
1 5 10

<210> 143  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 143

Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn Gly Lys  
1 5 10 15

<210> 144  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 144

Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser  
1 5 10 15

Lys

<210> 145  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 145

Leu Pro Glu Cys Glu Ala Val Cys Gly Lys  
1 5 10

<210> 146  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 146



Arg Leu Tyr Gly Ser Glu Ala Phe Ala Thr Asp Phe Gln Asp Ser Ala  
 1 5 10 15

Ala Ala Lys

<210> 147  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 147

Glu His Ala Val Glu Gly Asp Cys Asp Phe Gln Leu Leu Lys  
 1 5 10

<210> 148  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (5)..(5)  
 <223> carboxymethylation

<220>  
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 <222> (14)..(14)  
 <223> carboxymethylation

<400> 148

Lys Glu Asp Ser Cys Gln Leu Gly Tyr Ser Ala Gly Pro Cys Met Gly  
 1 5 10 15

Met Thr Ser Arg  
 20

<210> 149  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 149

Glu Gln Leu Thr Pro Leu Ile Lys  
 1 5

<210> 150  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 150

Glu Gln His Pro Asp Met Ser Val Thr Arg  
1 5 10

<210> 151  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 151

Ala Gly Ala Leu Asn Ser Asn Asp Ala Phe Val Leu Lys  
1 5 10

<210> 152  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 152

Gly Ser Leu Val Gln Ala Ser Glu Ala Asn Leu Gln Ala Ala Gln Asp  
1 5 10 15

Phe Val Arg

<210> 153  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> carboxymethylation

<400> 153

Ile Ala Ser Phe Ser Gln Asn Cys Asp Ile Tyr Pro Gly Lys  
1 5 10

<210> 154  
<211> 33  
<212> PRT

<213> Homo sapiens

<400> 154

Cys Gly Leu Val Pro Val Leu Ala Glu Asn Tyr Lys Ser Gln Gln Ser  
1 5 10 15

Ser Asp Pro Asp Pro Asn Cys Val Asp Arg Pro Val Glu Gly Tyr Leu  
20 25 30

Ala

<210> 155

<211> 10

<212> PRT

<213> Homo sapiens

<400> 155

Ile Ser Asn Ile Pro Asp Glu Tyr Phe Lys  
1 5 10

<210> 156

<211> 11

<212> PRT

<213> Homo sapiens

<400> 156

Ser Leu Glu Asp Leu Gln Leu Thr His Asn Lys  
1 5 10

<210> 157

<211> 9

<212> PRT

<213> Homo sapiens

<400> 157

Gln Asn Gly Gly Leu Ala Thr Val Glu  
1 5

<210> 158

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(1)

<223> oxidation

<220>

<221> misc\_feature

<222> (2)..(2)

<223> carboxymethylation

<220>

<221> misc\_feature

<222> (10)..(10)

<223> carboxymethylation

<400> 158

Met Cys Glu Gln Ala Leu Gly Lys Gly Cys Gly Gly Asp Ser Lys  
1 5 10 15

<210> 159

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)..(8)

<223> carboxymethylation

<400> 159

Leu Leu Asn Leu Asp Gly Thr Cys Ala Asp Ser Tyr Ser Phe Val Phe  
1 5 10 15

Ser Arg

<210> 160

<211> 10

<212> PRT

<213> Homo sapiens

<400> 160

Ala Gly Lys Ser Thr Phe Leu Lys Lys His  
1 5 10

<210> 161

<211> 18

<212> PRT

<213> Homo sapiens

<400> 161

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly  
1 5 10 15

Glu Arg

<210> 162

<211> 12

<212> PRT

<213> Homo sapiens

<400> 162

Glu Gly Leu Cys Cys Gly Pro Ser Ile Pro Pro Val  
1 5 10

<210> 163

<211> 8

<212> PRT

<213> Homo sapiens

<400> 163

Ala Ala Tyr Met Asn Lys Glu Arg  
1 5

<210> 164

<211> 11

<212> PRT

<213> Homo sapiens

<400> 164

Tyr Tyr Cys Phe Gln Gly Asn Gln Phe Leu Arg  
1 5 10

<210> 165

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (7)..(7)

<223> carboxymethylation

<400> 165

Gly Gly Cys Leu Pro Pro Cys Asp Gly Gly Pro Lys Ser Arg  
1 5 10

<210> 166  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 166

Ala Ser Asp Asp Asp Val Gly Glu Asn Ala Arg Ile  
1 5 10

<210> 167  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 167

Glu Glu Ala Ile Ala Val Thr Met Arg  
1 5

<210> 168  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 168

Tyr Asn Pro Asp Ser Gly Leu Glu Val Leu Ala Val Gln Arg  
1 5 10

<210> 169  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 169

Ile Val Asp Leu Val Lys Glu Leu Asp Arg  
1 5 10

<210> 170  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 170

His Lys Leu Ile His Thr Gly Val Lys Ser His Ala Cys Glu Gln Cys  
1 5 10 15

Gly Lys

<210> 171  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 171

Val Phe Trp Arg Ser Ser Gly Leu Pro His Pro Ser Gln Ala Gln Ser  
1 5 10 15

Ala Arg

<210> 172  
<211> 16  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> carboxymethylation

<400> 172

Gly Asn Ala Leu Ser Val Cys Ser Arg Glu Ser Pro Gly Ser Lys Lys  
1 5 10 15

<210> 173  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 173

Cys Leu Gln Arg Ile Val Thr Lys Leu Gln Met Glu Ala Gly Leu Cys  
1 5 10 15

Glu Glu Gln Leu Asn Gln Ala Asp Ala Leu Leu Gln Ser Asp Val Arg  
20 25 30

Leu Leu Ala Ala  
35

<210> 174  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 174

Ile Ile Thr His Pro Asn Phe Asn Gly Asn Thr Leu Asp Asn Asp Ile  
1 5 10 15

Met Leu Ile Lys  
20

<210> 175  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 175

Phe Thr Val Asp Arg Pro Phe Leu Phe Leu Ile Tyr Glu His Arg  
1 5 10 15

<210> 176  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 176

Gly Gly Ser Ile Phe Gly Leu Ala Pro Gly Lys  
1 5 10

<210> 177  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 177

Gly Gln Gly Lys Pro Pro Val Trp Arg

1 5

<210> 178  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 178

Ala Val Gly Asp Lys Leu Pro Glu Cys Glu Ala Asp Asp Gly Cys Pro





Tyr Leu Gly Glu Glu Tyr Val Lys  
1 5

<210> 183  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 183

Ser Met Gly Gly Lys Glu Asp Leu Ile Trp Glu Leu Leu Asn Gln Ala  
1 5 10 15

Gln Glu His Phe Gly Lys  
20

<210> 184  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 184

Leu Cys Met Gly Ser Gly Leu Asn Leu Cys Glu Pro Asn Asn Lys  
1 5 10 15

<210> 185  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 185

Asp Ser Ser Leu Cys Lys  
1 5

<210> 186  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 186

Gln Ile Asn Asp Tyr Val Glu Lys  
1 5

<210> 187  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 187

Phe Leu Glu Asp Val Lys  
1 5

<210> 188

<211> 14

<212> PRT

<213> Homo sapiens

<400> 188

Ile Thr Pro Asn Leu Ala Glu Phe Ala Phe Ser Leu Tyr Arg  
1 5 10

<210> 189

<211> 18

<212> PRT

<213> Homo sapiens

<400> 189

Leu Tyr His Ser Glu Ala Phe Thr Val Asn Phe Gly Asp Thr Glu Glu  
1 5 10 15

Ala Lys

<210> 190

<211> 18

<212> PRT

<213> Homo sapiens

<400> 190

Val Phe Ser Asn Gly Ala Asp Leu Ser Gly Val Thr Glu Glu Ala Pro  
1 5 10 15

Leu Lys

<210> 191

<211> 9

<212> PRT

<213> Homo sapiens

<400> 191

Lys Gln Ile Asn Asp Tyr Val Glu Lys

1

5

<210> 192  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 192

Ser Val Leu Gly Gln Leu Gly Ile Thr Lys  
1 5 10

<210> 193  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 193

Lys Gln Ile Asn Asp Tyr Val Glu Lys  
1 5

<210> 194  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 194

Thr Asp Thr Ser His His Asp Gln Asp His Pro Thr Phe Asn Lys  
1 5 10 15

<210> 195  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 195

Ser Pro Leu Phe Met Gly Lys  
1 5

<210> 196  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 196

Ser Ala Ser Leu His Leu Pro Lys  
1 5

<210> 197  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 197

Ser Ala Ser Leu His Leu Pro Lys  
1 5

<210> 198  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 198

Trp Glu Arg Pro Phe Glu Val Lys  
1 5

<210> 199  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 199

Ala Val Leu Thr Ile Asp Glu Lys  
1 5

<210> 200  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 200

Glu Asp Pro Gln Gly Asp Ala Ala Gln Lys  
1 5 10

<210> 201  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 201

Gly Thr Glu Ala Ala Gly Ala Met Phe Leu Glu Ala Ile Pro Met Ser  
1 5 10 15

Ile Pro Pro Glu Val Lys

<210> 202  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 202

Asp	Thr	Glu	Glu	Glu	Asp	Phe	His	Val	Asp	Gln	Val	Thr	Thr	Val	Lys
1				5					10					15	

<210> 203  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 203

Gln	Ile	Asn	Asp	Tyr	Val	Glu	Lys
1			5				

<210> 204  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 204

Phe	Leu	Glu	Asn	Glu	Asp	Arg	Arg
1			5				

<210> 205  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 205

Lys	Leu	Ser	Ser	Trp	Val	Leu	Leu	Met	Lys
1			5					10	

<210> 206  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 206

Thr	Leu	Asn	Gln	Pro	Asp	Ser	Gln	Leu	Gln	Leu	Thr	Thr	Gly	Asn	Gly
1			5					10						15	

Leu Phe Leu Ser Glu Gly Leu Lys  
20

<210> 207  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 207

Leu Val Asp Lys Phe Leu Glu Asp Val Lys Lys  
1 5 10

<210> 208  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 208

Val Pro Met Met Lys  
1 5

<210> 209  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 209

Glu Leu Asp Arg Asp Thr Val Phe Ala Leu Val Asn Tyr Ile Phe Phe  
1 5 10 15

Lys

<210> 210  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 210

Leu Tyr His Ser Glu Ala Phe Thr Val Asn Phe Gly Asp Thr Glu Glu  
1 5 10 15

Ala Lys Lys

<210> 211  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 211

Met Phe Asn Ile Gln His Cys Lys Lys Leu Ser Ser Trp Val Leu Leu  
1 5 10 15

Met Lys Tyr Leu Gly Asn Ala Thr Ala Ile Phe Phe Leu Pro Asp Glu  
20 25 30

Gly Lys

<210> 212  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 212

Val Ser Val Asn Glu Arg  
1 5

<210> 213  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 213

Lys Gln Trp Ile Asn Lys  
1 5

<210> 214  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 214

His Thr Phe Cys Ala Gly Met Ser Lys  
1 5

<210> 215  
<211> 10  
<212> PRT  
<213> Homo sapiens



<400> 215

His Tyr Glu Gly Ser Thr Val Pro Glu Lys  
1 5 10

<210> 216

<211> 12

<212> PRT

<213> Homo sapiens

<400> 216

Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asp Lys  
1 5 10

<210> 217

<211> 12

<212> PRT

<213> Homo sapiens

<400> 217

Asp Ile Ala Pro Thr Leu Thr Leu Tyr Val Gly Lys  
1 5 10

<210> 218

<211> 34

<212> PRT

<213> Homo sapiens

<400> 218

Tyr Gln Glu Asp Thr Cys Tyr Gly Asp Ala Gly Ser Ala Phe Ala Val  
1 5 10 15

His Asp Leu Glu Glu Asp Thr Trp Tyr Ala Thr Gly Ile Leu Ser Phe  
20 25 30

Asp Lys

<210> 219

<211> 11

<212> PRT

<213> Homo sapiens

<400> 219

His Tyr Glu Gly Ser Thr Val Pro Glu Lys Lys

1                      5                      10

<210> 220  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 220

Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asp Lys Lys  
1                      5                      10

<210> 221  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 221

Gln Leu Val Glu Ile Glu Lys  
1                      5

<210> 222  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 222

Val Ser Val Asn Glu Arg  
1                      5

<210> 223  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 223

Asn Pro Ala Asn Pro Val Gln  
1                      5

<210> 224  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 224

Asp Tyr Ala Glu Val Gly Arg  
1                      5

<210> 225  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 225

Ser Cys Ala Val Ala Glu Tyr Gly Val Tyr Val Lys  
1 5 10

<210> 226  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 226

Ser Pro Val Gly Val Gln Pro Ile Leu Asn Glu His Thr Phe Cys Ala  
1 5 10 15

Gly Met Ser Lys  
20

<210> 227  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 227

Val Thr Ser Ile Gln Asp Trp Val Gln Lys  
1 5 10

<210> 228  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 228

Ala Val Gly Asp Lys Leu Pro Glu Cys Glu Ala Val Cys Gly Lys Pro  
1 5 10 15

Lys

<210> 229  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 229

Val Gly Tyr Val Ser Gly Trp Gly Arg  
1 5

<210> 230

<211> 13

<212> PRT

<213> Homo sapiens

<400> 230

Asp Ile Ala Pro Thr Leu Thr Leu Tyr Val Gly Lys Lys  
1 5 10

<210> 231

<211> 9

<212> PRT

<213> Homo sapiens

<400> 231

Ile Leu Gly Gly His Leu Asp Ala Lys  
1 5

<210> 232

<211> 4

<212> PRT

<213> Homo sapiens

<400> 232

Asn Tyr Tyr Lys  
1

<210> 233

<211> 26

<212> PRT

<213> Homo sapiens

<400> 233

Leu Pro Glu Cys Glu Ala Asp Asp Gly Cys Pro Lys Pro Pro Glu Ile  
1 5 10 15

Ala His Gly Tyr Val Glu His Ser Val Arg  
20 25

<210> 234

<211> 31

<212> PRT  
<213> Homo sapiens

<400> 234

Val Asp Ser Gly Asn Asp Val Thr Asp Ile Ala Asp Asp Gly Cys Pro  
1 5 10 15

Lys Pro Pro Glu Ile Ala His Gly Tyr Val Glu His Ser Val Arg  
20 25 30

<210> 235  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 235

Leu Arg Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asp Lys Lys  
1 5 10 15

<210> 236  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 236

Gln Lys Asp Val Asp Lys Glu Phe Tyr Leu Phe Pro Thr Val Phe Asp  
1 5 10 15

Glu Asn Glu Ser Leu Leu Leu Glu Asp Asn Ile Arg  
20 25

<210> 237  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 237

Ala Glu Glu Glu His Leu Gly Ile Leu Gly Pro Gln Leu His Ala Asp  
1 5 10 15

Val Gly Asp Lys  
20

<210> 238  
<211> 13

<212> PRT  
<213> Homo sapiens

<400> 238

Val Asp Lys Asp Asn Glu Asp Phe Gln Glu Ser Asn Arg  
1 5 10

<210> 239  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 239

Ile Tyr His Ser His Ile Asp Ala Pro Lys  
1 5 10

<210> 240  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 240

Thr Tyr Cys Ser Glu Pro Glu Lys  
1 5

<210> 241  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 241

Glu Val Gly Pro Thr Asn Ala Asp Pro Val Cys Leu Ala Lys  
1 5 10

<210> 242  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 242

Asp Ile Ala Ser Gly Leu Ile Gly Pro Leu Ile Ile Cys Lys  
1 5 10

<210> 243  
<211> 19  
<212> PRT

<213> Homo sapiens

<400> 243

Leu Ile Ser Val Asp Thr Glu His Ser Asn Ile Tyr Leu Gln Asn Gly  
1 5 10 15

Pro Asp Arg

<210> 244

<211> 35

<212> PRT

<213> Homo sapiens

<400> 244

Asn Met Ala Thr Arg Pro Tyr Ser Ile His Ala His Gly Val Gln Thr  
1 5 10 15

Glu Ser Ser Thr Val Thr Pro Thr Leu Pro Gly Glu Thr Leu Thr Tyr  
20 25 30

Val Trp Lys  
35

<210> 245

<211> 12

<212> PRT

<213> Homo sapiens

<400> 245

Ala Leu Tyr Leu Gln Tyr Thr Asp Glu Thr Phe Arg  
1 5 10

<210> 246

<211> 8

<212> PRT

<213> Homo sapiens

<400> 246

Gln Tyr Thr Asp Ser Thr Phe Arg  
1 5

<210> 247

<211> 10

<212> PRT

<213> Homo sapiens

<400> 247

Met Tyr Tyr Ser Ala Val Asp Pro Thr Lys  
1 5 10

<210> 248

<211> 20

<212> PRT

<213> Homo sapiens

<400> 248

His Tyr Tyr Ile Gly Ile Ile Glu Thr Thr Trp Asp Tyr Ala Ser Asp  
1 5 10 15

His Gly Glu Lys  
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<210> 249

<211> 23

<212> PRT

<213> Homo sapiens

<400> 249

Gly Pro Glu Glu Glu His Leu Gly Ile Leu Gly Pro Val Ile Trp Ala  
1 5 10 15

Glu Val Gly Asp Thr Ile Arg  
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<210> 250

<211> 10

<212> PRT

<213> Homo sapiens

<400> 250

Glu Tyr Thr Asp Ala Ser Phe Thr Asn Arg  
1 5 10

<210> 251

<211> 20

<212> PRT

<213> Homo sapiens

<400> 251

Lys Leu Ile Ser Val Asp Thr Glu His Ser Asn Ile Tyr Leu Gln Asn



1 5 10 15

Gly Pro Asp Arg  
20

<210> 252  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 252

Met His Ser Met Asn Gly Phe Met Tyr Gly Asn Gln Pro Gly Leu Thr  
1 5 10 15

Met Cys Lys

<210> 253  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 253

Asp Leu Tyr Ser Gly Leu Ile Gly Pro Leu Ile Val Cys Arg  
1 5 10

<210> 254  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 254

Gly Ala Tyr Pro Leu Ser Ile Glu Pro Ile Gly Val Arg  
1 5 10

<210> 255  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 255

Val Phe Asn Pro Arg  
1 5

<210> 256  
<211> 21

<212> PRT  
<213> Homo sapiens

<400> 256

Lys Ala Glu Glu Glu His Leu Gly Ile Leu Gly Pro Gln Leu His Ala  
1 5 10 15

Asp Val Gly Asp Lys  
20

<210> 257  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 257

Arg Gln Ser Glu Asp Ser Thr Phe Tyr Leu Gly Glu Arg  
1 5 10

<210> 258  
<211> 7  
<212> PRT  
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<400> 258

Tyr Thr Val Asn Gln Cys Arg  
1 5

<210> 259  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 259

Val Asp Ser His Phe Arg  
1 5

<210> 260  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 260

Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe  
1 5 10

<210> 261  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 261

Asn Glu Cys Phe Leu Gln His Lys  
1 5

<210> 262  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 262

Gln Thr Ala Leu Val Glu Leu Val Lys  
1 5

<210> 263  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 263

Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro Gln Asn  
1 5 10

<210> 264  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 264

Ala Asp Leu Ser Gly Ile Thr Gly Ala Arg  
1 5 10

<210> 265  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 265

Ala Val Leu Asp Val Phe Glu Glu Gly Thr Glu Ala Ser Ala Ala Thr  
1 5 10 15

Ala Val Lys

<210> 266  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 266

Met	Glu	Glu	Val	Glu	Ala	Met	Leu	Leu	Pro	Glu	Thr	Leu	Lys	Arg
1				5					10					15

<210> 267  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 267

Asn	Leu	Ala	Val	Ser	Gln	Val	Val	His	Lys
1				5					10

<210> 268  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 268

Ala	Asp	Leu	Ser	Gly	Ile	Thr	Gly	Ala	Arg
1				5					10

<210> 269  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 269

Ile	Thr	Leu	Leu	Ser	Ala	Leu	Val	Glu	Thr	Arg
1				5					10	

<210> 270  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 270

Asp	Glu	Glu	Leu	Ser	Cys	Thr	Val	Val	Glu	Leu	Lys
1				5					10		

<210> 271  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 271

Phe Asn Arg Pro Phe Leu Met Ile Ile Val Pro Thr Asp Thr Gln Asn  
1 5 10 15

Ile Phe Phe Met Ser Lys  
20

<210> 272  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 272

Leu Tyr Gly Ser Glu Ala Phe Ala Thr Asp Phe Gln Asp Ser Ala Ala  
1 5 10 15

Ala Lys

<210> 273  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 273

Asp Tyr Asn Leu Asn Asp Ile Leu Leu Gln Leu Gly Ile Glu Glu Ala  
1 5 10 15

Phe Thr Ser Lys  
20

<210> 274  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 274

Lys Leu Ile Asn Asp Tyr Val Lys  
1 5

<210> 275

<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 275

Asp Ser Leu Glu Phe Arg  
1 5

<210> 276  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 276

Asn Ala Leu Thr Gly Leu Pro Pro Gly Leu Phe Gln Ala Ser Ala Thr  
1 5 10 15

Leu Asp Thr Leu Val Leu Lys  
20

<210> 277  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 277

Asp Cys Gln Val Phe Arg  
1 5

<210> 278  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 278

Gly Gln Thr Leu Leu Ala Val Ala Lys  
1 5

<210> 279  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 279

Gly Pro Leu Gln Leu Glu Arg  
1 5

<210> 280  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 280

Asp Gly Phe Asp Ile Ser Gly Asn Pro Trp Ile Cys Asp Gln Asn Leu  
1 5 10 15

Ser Asp Leu Tyr Arg  
20

<210> 281  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 281

Leu Gln Glu Leu His Leu Ser Ser Asn Gly Leu Glu Ser Leu Ser Pro  
1 5 10 15

Glu Phe Leu Arg Pro Val Pro Gln Leu Arg  
20 25

<210> 282  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 282

Thr Leu Asp Leu Gly Glu Asn Gln Leu Glu Thr Leu Pro Pro Asp Leu  
1 5 10 15

Leu Arg

<210> 283  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 283

Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg  
1 5 10

<210> 284  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 284

Ala Leu Gly His Leu Asp Leu Ser Gly Asn Arg  
1 5 10

<210> 285  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 285

Cys Ala Gly Pro Glu Ala Val Lys  
1 5

<210> 286  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 286

Glu Asn Gln Leu Glu Val Leu Glu Val Ser Trp Leu His Gly Leu Lys  
1 5 10 15

<210> 287  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 287

Glu Gln Leu Gly Glu Phe Tyr Glu Ala Leu Asp Cys Leu Arg  
1 5 10

<210> 288  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 288

Lys Asp Lys Cys Glu Pro Leu Glu Lys  
1 5

<210> 289  
<211> 6



<212> PRT  
<213> Homo sapiens

<400> 289

Cys Glu Pro Leu Glu Lys  
1 5

<210> 290  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 290

Lys Asp Lys Cys Glu Pro Leu Glu Lys  
1 5

<210> 291  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 291

Thr Tyr Met Leu Ala Phe Asp Val Asn Asp Glu Lys Asn Trp Gly Leu  
1 5 10 15

Ser Val Tyr Ala Asp Lys Pro Glu Thr Thr Lys  
20 25

<210> 292  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 292

Thr Tyr Met Leu Ala Phe Asp Val Asn Asp Glu Lys  
1 5 10

<210> 293  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 293

Asp Lys Cys Glu Pro Leu Glu Lys  
1 5

<210> 294  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 294

Ser Asp Val Val Tyr Thr Asp Trp Lys Lys  
1 5 10

<210> 295  
<211> 29  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (27)..(27)  
<223> carboxymethylation

<400> 295

Asn Trp Gly Leu Ser Val Tyr Ala Asp Lys Pro Glu Thr Thr Lys Glu  
1 5 10 15

Gln Leu Gly Glu Phe Tyr Glu Ala Leu Asp Cys Leu Arg  
20 25

<210> 296  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 296

Asp Thr Leu Met Ile Ser Arg  
1 5

<210> 297  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 297

Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu  
1 5 10 15

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys  
20 25 30

<210> 298  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 298

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro  
1 5 10 15

Glu Val Lys

<210> 299  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 299

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys  
1 5 10

<210> 300  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 300

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys  
1 5 10

<210> 301  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 301

Ser Asn Leu Asp Glu Asp Ile Ile Ala Glu Glu Asn Ile Val Ser Arg  
1 5 10 15

<210> 302  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 302

Val Val Pro Glu Gly Ile Arg

1 5

<210> 303  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 303

Phe Ala Leu Val Arg  
1 5

<210> 304  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 304

Cys Leu Ala Pro Leu Glu Gly Ala Arg  
1 5

<210> 305  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 305

Leu Glu Leu His Val Asp Gly Pro Pro Pro Arg Pro Gln Leu Arg  
1 5 10 15

<210> 306  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 306

Ile Phe Phe His Leu Asn Ala Val Ala Leu Gly Asp Gly Gly His Tyr  
1 5 10 15

Thr Cys Arg

<210> 307  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 307

Val Glu Ile Asp Thr Lys  
1 5

<210> 308  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 308

Asp Asp Glu Glu Phe Ile Glu Ser Asn Lys  
1 5 10

<210> 309  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 309

Val Tyr Pro Gly Glu Gln Tyr Thr Tyr Met Leu Leu Ala Thr Glu Glu  
1 5 10 15

Gln Ser Pro Gly Glu Gly Asp Gly Asn Cys Val Thr Arg  
20 25

<210> 310  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> carboxymethylation

<400> 310

Thr Tyr Cys Ser Glu Pro Glu Lys Val Asp Lys Asp Asn Glu Asp Phe  
1 5 10 15

Gln Glu Ser Asn Arg  
20

<210> 311  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 311

Lys Ala Leu Tyr Leu Gln Tyr Thr Asp Glu Thr Phe Arg  
1 5 10

<210> 312

<211> 16

<212> PRT

<213> Homo sapiens

<400> 312

Asp Trp His Gly Val Pro Gly Gln Val Asp Ala Ala Met Ala Gly Arg  
1 5 10 15

<210> 313

<211> 9

<212> PRT

<213> Homo sapiens

<400> 313

Ile Tyr Ile Ser Gly Met Ala Pro Arg  
1 5

<210> 314

<211> 7

<212> PRT

<213> Homo sapiens

<400> 314

Leu Ala Ile Pro Glu Gly Lys  
1 5

<210> 315

<211> 10

<212> PRT

<213> Homo sapiens

<400> 315

Ser Pro Ala Phe Thr Asp Leu His Leu Arg  
1 5 10

<210> 316

<211> 7

<212> PRT

<213> Homo sapiens

<400> 316

Val Ala Ala Glu Asp Trp Lys  
1 5

<210> 317  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 317

Gln Glu Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
1 5 10 15

Arg

<210> 318  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 318

Trp Leu Gln Gly Ser Gln Glu Leu Pro Arg  
1 5 10

<210> 319  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 319

Gln Glu Pro Ser Gln Gly Thr Thr Thr Phe Ala Val Thr Ser Ile Leu  
1 5 10 15

Arg

<210> 320  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> carboxymethylation

<400> 320

Leu Ile Cys Gln Ala Thr Gly Phe Ser Pro Arg  
1 5 10

<210> 321  
<211> 25  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (24)..(24)  
<223> carboxymethylation

<400> 321

Tyr Ala Ala Thr Ser Gln Val Leu Leu Pro Ser Lys Asp Val Met Gln  
1 5 10 15

Gly Thr Asp Glu His Val Val Cys Lys  
20 25

<210> 322  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> carboxymethylation

<400> 322

Ser Lys Leu Ile Cys Gln Ala Thr Gly Phe Ser Pro Arg  
1 5 10

<210> 323  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 323

Ser Leu Gly Glu Cys Cys Asp Val Glu Asp Ser Thr Thr Cys Phe Asn  
1 5 10 15

Ala Lys



<210> 324  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 324

Val Leu Glu Pro Thr Leu Lys  
1 5

<210> 325  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 325

Val Pro Thr Ala Asp Leu Glu Asp Val Leu Pro Leu Ala Glu Asp Ile  
1 5 10 15

Thr Asn Ile Leu Ser Lys  
20

<210> 326  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 326

Leu Ala Val Thr Thr His Gly Leu Pro Cys Leu Ala Trp Ala Ser Ala  
1 5 10 15

Gln Ala Lys

<210> 327  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 327

Leu Ser Pro Leu Gly Glu Glu Met Arg  
1 5

<210> 328  
<211> 20  
<212> PRT  
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<400> 328

Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr  
1 5 10 15

Val Ala Trp Lys  
20

<210> 329

<211> 8

<212> PRT

<213> Homo sapiens

<400> 329

Leu Thr Val Leu Gly Gln Pro Lys  
1 5

<210> 330

<211> 11

<212> PRT

<213> Homo sapiens

<400> 330

Leu Cys Gln Asp Leu Gly Pro Gly Ala Phe Arg  
1 5 10

<210> 331

<211> 7

<212> PRT

<213> Homo sapiens

<400> 331

Phe Ala Phe Asn Leu Tyr Arg  
1 5

<210> 332

<211> 6

<212> PRT

<213> Homo sapiens

<400> 332

Glu Val Leu Leu Pro Lys  
1 5

<210> 333

<211> 12

<212> PRT  
<213> Homo sapiens

<400> 333

Gln Lys Trp Glu Ala Glu Pro Val Tyr Val Gln Arg  
1 5 10

<210> 334  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 334

Ser Asp Val Met Tyr Thr Asp Trp Lys  
1 5

<210> 335  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 335

Glu Gln Ile Asn Asn Tyr Val Glu Lys  
1 5

<210> 336  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 336

Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu  
1 5 10 15

Gln Asp Ser Lys  
20

<210> 337  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 337

Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu  
1 5 10 15

Gln Asp Ser Lys  
20

<210> 338  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 338

Thr Gln Gln Arg Asn Asn  
1 5

<210> 339  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 339

Leu Glu Leu Ser Gln Arg  
1 5

<210> 340  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 340

Leu Arg Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asp Lys  
1 5 10

<210> 341  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 341

Lys Gln Leu Val Glu Ile Glu Lys  
1 5

<210> 342  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 342

Ser Val Pro Pro Ser Ala Ser His Val Ala Pro Thr Glu Thr Phe Thr  
1 5 10 15

Tyr Glu Trp Thr Val Pro Lys  
20

<210> 343  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 343

Asn Asn Glu Gly Thr Tyr Tyr Ser Pro Asn Tyr Asn Pro Gln Ser Arg  
1 5 10 15

<210> 344  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 344

Val Phe Ala Ile Pro Pro Ser Phe Ala Ser Ile Phe Leu Thr Lys  
1 5 10 15

<210> 345  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 345

His Tyr Thr Asn Pro Ser Gln Asp Val Thr Val Pro Cys Pro Val Pro  
1 5 10 15

Pro Pro Pro Pro Cys Cys His Pro Arg  
20 25

<210> 346  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 346

Val Val Ser Val Leu Thr Val Leu His Gln Asn Trp Leu Asp Gly Lys  
1 5 10 15

Glu Tyr Lys

<210> 347  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 347

Asp Phe Thr Cys Val His Gln Ala Leu Lys  
1 5 10

<210> 348  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 348

Leu Leu Ile Tyr Gly Ala Ser Ser Arg  
1 5

<210> 349  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 349

Lys Ala Ala Cys Leu Asp Ile Leu Met Leu Arg  
1 5 10

<210> 350  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 350

Asp Val Trp Gly Ile Glu Gly Pro Ile Asp Ala Ala Phe Thr Arg  
1 5 10 15

<210> 351  
<211> 7  
<212> PRT  
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<400> 351

Glu Asp Thr Asn Lys Trp Lys  
1 5

<210> 352

<211> 19  
<212> PRT  
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<400> 352

Ala Asn Ala Gly Lys Pro Lys Asp Pro Thr Phe Ile Pro Ala Pro Ile  
1 5 10 15

Gln Ala Lys

<210> 353  
<211> 9  
<212> PRT  
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<400> 353

Ala Val Tyr Asp Gln Ser Ala Thr Ala  
1 5

<210> 354  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 354

Asp Ser Ser Thr Trp Leu Thr Ala Phe Val Leu Lys  
1 5 10

<210> 355  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 355

Pro Met Pro Val Leu Leu Met Gly Gln Ala  
1 5 10

<210> 356  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 356

Ser Glu Thr Glu Ile His Gln Gly Phe Gln His Leu His Gln Leu Phe  
1 5 10 15

Ala Lys

<210> 357  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 357

Lys Tyr Phe Ile Asp Phe Val Ala Arg  
1 5

<210> 358  
<211> 14  
<212> PRT  
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<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> carboxymethylation

<400> 358

Glu Glu Pro Ile Pro Cys Thr Ala His Trp His Phe Gly Gln  
1 5 10

<210> 359  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 359

His Asn Leu Lys Asp Ala Gly Glu Ala Glu Glu Gly Lys  
1 5 10

<210> 360  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 360

Gly Leu Ser Arg Thr Ser Met Lys Pro Arg Ser Ser Arg  
1 5 10

<210> 361  
<211> 7



<212> PRT  
<213> Homo sapiens

<400> 361

Asp Ser Ser Tyr Met Pro Ser  
1 5

<210> 362  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 362

Leu Pro Leu Ile Lys  
1 5

<210> 363  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 363

Ile Ala Glu Phe Ala Phe Glu Tyr Ala Arg  
1 5 10

<210> 364  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 364

Glu Gly Lys Leu Glu Asn Gly Tyr Arg Lys  
1 5 10

<210> 365  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 365

Pro Gln Leu Asp Leu Phe Ser Cys Met Leu Lys His Arg Leu Lys  
1 5 10 15

<210> 366  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 366

Glu Ala Pro Thr Ser Leu Ser Gln Leu Leu Asp Asn Ser Gly Ala Pro  
1 5 10 15

Asn Val Thr Ile Lys  
20

<210> 367

<211> 9

<212> PRT

<213> Homo sapiens

<400> 367

Lys Val Asn Glu Lys Asp Val Asp Lys  
1 5

<210> 368

<211> 17

<212> PRT

<213> Homo sapiens

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<221> misc\_feature

<222> (5)..(5)

<223> carboxymethylation

<400> 368

Gly Gln Glu Leu Cys Ala Asp Tyr Ser Glu Asn Thr Phe Thr Glu Tyr  
1 5 10 15

Lys

<210> 369

<211> 9

<212> PRT

<213> Homo sapiens

<400> 369

Lys Asn Gly Asn Val Ala Asn Tyr Val  
1 5

<210> 370

<211> 12

<212> PRT

<213> Homo sapiens

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<222> (1)..(1)

<223> oxidation

<400> 370

Met Pro Val Ile Asn Ile Glu Asp Leu Thr Glu Lys  
1 5 10

<210> 371

<211> 10

<212> PRT

<213> Homo sapiens

<400> 371

Leu Gly Lys Ser Val Val Ala Lys Val Lys  
1 5 10

<210> 372

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (2)..(2)

<223> oxidation

<400> 372

Ile Met Lys Asp Val Gln Lys  
1 5

<210> 373

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (8)..(8)

<223> carboxymethylation

<400> 373

Ala Asn Pro Gly Tyr Lys Trp Cys Pro Thr Thr Asn Lys Pro Val Lys  
1 5 10 15

<210> 374  
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<400> 374

Leu Gly Asp Phe Gly Ile Arg Leu Leu Cys Val Gly  
1 5 10

<210> 375  
<211> 16  
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<400> 375

Phe Asp Asp Gln Asn Leu Arg Ser Val Asn Gly Ala Glu Ile Thr Met  
1 5 10 15

<210> 376  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 376

Glu Leu Asp Ser Gln Leu Asn Glu Pro Arg  
1 5 10

<210> 377  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 377

Lys Thr Thr Asn Gln Asn Val Ile Lys ,  
1 5

<210> 378  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 378

Leu Ser Ser Trp Val Leu Leu Met Lys  
1 5

<210> 379  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 379

Thr Leu Val Ile Thr Ser Thr Pro Ala Ser Pro Asn Arg  
1 5 10

<210> 380  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 380

Lys Gly Ala Ala Lys Val Met Val Thr Asn Val  
1 5 10

<210> 381  
<211> 15  
<212> PRT  
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<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> oxidation

<400> 381

Thr Glu Met Arg Asn Ser Glu Asn Lys Asn Ile Phe Cys Val Arg  
1 5 10 15

<210> 382  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 382

Thr Gln Thr Val Glu Cys Thr Gln Thr Gly Ser Val  
1 5 10

<210> 383  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 383

Lys Met Lys Glu Ala Ala Gln Arg Tyr Gln Tyr Ala  
1 5 10

<210> 384  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 384

Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg  
1 5 10

<210> 385  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 385

Met Gly Pro Gly Gly Gly Lys Ala Lys Ala Leu Gly Gly Ala Gly Ser  
1 5 10 15

Gly Ser Lys Gly Ser Ala Gly Gly Gly Ser Lys  
20 25

<210> 386  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 386

Thr Gly Asn Asn Arg Ile Asn Ile Thr Glu Thr Gly Gln Leu Met Val  
1 5 10 15

Lys Asp Phe

<210> 387  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 387

Leu Glu Leu Phe Met Gly Lys  
1 5

<210> 388

<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 388

Glu Leu Gly Val Asp Gln Glu Ser Glu Glu Gly Lys Gly Lys Thr Ser  
1 5 10 15

Pro Asp Lys Gln Lys  
20

<210> 389  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 389

Asn Ala Asn Ala Val Cys Asp Thr  
1 5

<210> 390  
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<212> PRT  
<213> Homo sapiens

<400> 390

Met Pro Gln Val Phe Asn Phe Leu  
1 5

<210> 391  
<211> 16  
<212> PRT  
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<400> 391

Ile Ala Pro Gln Leu Ser Thr Glu Glu Leu Val Ser Leu Gly Glu Lys  
1 5 10 15

<210> 392  
<211> 17  
<212> PRT  
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<400> 392

Glu Cys Gly Lys Ala Phe Tyr Ser Gly Ser Ser Leu Thr Gln His Gln  
1 5 10 15

Arg

<210> 393  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 393

Phe Val Pro Gln Asp Val Pro Pro Glu Pro Lys  
1 5 10

<210> 394  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 394

Leu Thr Leu Asp Glu Lys  
1 5

<210> 395  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 395

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Val Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg